



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory

Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name -----Oil Trust Fund
Sample Collection Date(s)-- 05/11/10
Contact----- Rich Mayer (6PD-F)
Report Date-----05/23/10
Project #----- 10REG160
Work Order(s)-----1005015

Analyses included in this report:

P/P 8015 DRO/ORO

Report Narrative

Sample Management:

This report contains the DRO/ORO data. The VOA, ABN, propylene glycol, 2-butoxyethanol, total metals, and oil & grease data were previously reported.

DRO:

DRO marginally fails in the MSD. The amount spiked was inadequate to properly calculate recovery and RPD. No bias was placed on source results.

ORO is qualified as high biased in the sample because the ending calibration check failed high.

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief



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Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund

Project Number: 10REG160

Data Management Coordinator: Christy Warren

Data Management Coordinator Signature

Date

Date Transmitted: ____/____/____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

Signature

Date

Please provide a reason for holding:



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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
BOASS-051110	1005015-01	Phasic	5/11/10 12:45	05/13/10 08:40



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DRO/ORO by EPA Method 8015 (GC-FID)

Lab ID: 1005015-01

Station ID: BOASS-051110

Batch: B0E1404

Date Collected: 05/11/10

Sample Type: Phasic

Sample Weight: 0.103 g

Sample Qualifiers:

Surrogates

Analyte	Result mg/kg	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
<i>Surr: o-Terphenyl</i>	7,420		109	70-130	05/14/10	05/14/10

Targets

Analyte (CAS Number)	Result mg/kg	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Diesel Range Organics (068334-30-5)	424,000		9,710	1	05/14/10	05/14/10
Oil Range Organics (NA)	113,000	K	9,710	"	"	05/20/10



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DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control

Batch: B0E1404

Sample Type: Non-Aqueous Liquid

Blank (B0E1404-BLK1)

Prepared: 5/14/2010 Analyzed: 5/14/2010

Surrogates

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: o-Terphenyl</i>	6,020		6,140	98.1 70-130

Blank (B0E1404-BLK1)

Prepared: 5/14/2010 Analyzed: 5/14/2010

Targets

ANALYTE	Result mg/kg	Analyte Reporting Qualifiers Limit
Diesel Range Organics	U	8,770
Oil Range Organics	U	8,770

LCS (B0E1404-BS1)

Prepared: 5/14/2010 Analyzed: 5/14/2010

Surrogates

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC Limits
<i>Surr: o-Terphenyl</i>	6,270		6,480	96.8 70-130

LCS (B0E1404-BS1)

Prepared: 5/14/2010 Analyzed: 5/14/2010

Targets

ANALYTE	Result mg/kg	Analyte Reporting Qualifiers Limit	Spike Level	%REC Limits
Diesel Range Organics	168,000	9,260	185,000	90.7 70-130



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DRO/ORO by EPA Method 8015 (GC-FID) - Quality Control

Batch: B0E1404

Sample Type: Non-Aqueous Liquid

Matrix Spike (B0E1404-MS1)

Source: 1005015-01

Prepared: 5/14/2010 Analyzed: 5/14/2010

Surrogates

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
<i>Surr: o-Terphenyl</i>	7,480		6,670	112	70-130

Matrix Spike (B0E1404-MS1)

Source: 1005015-01

Prepared: 5/14/2010 Analyzed: 5/14/2010

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits
Diesel Range Organics	645,000		19,000	190,000	424,000	116	70-130

Matrix Spike Dup (B0E1404-MSD1)

Source: 1005015-01

Prepared: 5/14/2010 Analyzed: 5/14/2010

Surrogates

ANALYTE	Result mg/kg	Analyte Qualifier	Spike Level	%REC %REC	%REC Limits
<i>Surr: o-Terphenyl</i>	7,880		6,860	115	70-130

Matrix Spike Dup (B0E1404-MSD1)

Source: 1005015-01

Prepared: 5/14/2010 Analyzed: 5/14/2010

Targets

ANALYTE	Result mg/kg	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC %REC	%REC Limits	RPD RPD	RPD Limit
Diesel Range Organics	684,000		19,600	196,000	424,000	132 #	70-130	5.85	30



20100511BLEX 002

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # 1 of 1

COC #

Required Ship to Lab:		Required Project Information:		Required Sampler Information:		TAT: Standard 5 day		Rush		Mark One							
Lab Name	EPA	Site ID #	MC292	Sampler	Chris Tedder												
Address	10625 Fallstone Rd Houston, TX 77099	Project #	Oil Spill	Sampling Company	MAC/EL												
Site Address	1597 Highway 311	City/State	St. Louis, MO	Address	3199 Riverport Tech Center												
Lab PM		City	Schriever	State, Zip	LA, 70395	Reimbursement project?		Non-reimbursement project?		Mark one							
Phone/Fax		Site PM Name	Carlos Moreno	Send EDO to													
Lab PM email		Phone/Fax	281-995-1170	CC Hardcopy report to													
Applicable Lab Quote #		Site PM Email	carlos.moreno@epa.com	CC Hardcopy report to													
ITEM #	SAMPLE ID Samples IDs MUST BE UNIQUE		SAMPLE LOCATION		Sample Depth Depth Unit: Start Depth End Depth	MATRIX CODE G=GRAB C=COMP	SAMPLE TYPE	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	Comments/Lab Sample I.D.	Analysis	Preferred	Filtered			
	1	BOASS-051110	BOA Ship	NA/NA	W	C-N	05-11-10	1245	5			X	10L 8360				
	2											X	10L 8370				
	3											X	10L 8370				
	4																
	5																
	6																
	7																
	8																
	9																
	10																
	11																
	12																
Additional Comments/Special Instructions:		SAMPLE REASON (check only one)		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		Sample Receipt Conditions	
		X Investigatory		Nelson, Thayer - NAE		5/11/10		1810		Christy Warden		5/13/10		8:40		60C Q/N Q/N Y/N	
		Split Comparison														Y/N Y/N Y/N	
		Split Legal														Y/N Y/N Y/N	
		Special Study														Y/N Y/N Y/N	
		Shipping Method (mark as appropriate)		SAMPLER NAME AND SIGNATURE													
		UPS COURIER FEDEX		PRINT Name of SAMPLER		Chris Tedder											
		Oth:		SIGNATURE of SAMPLER		CER-5/11/10		DATE Signed		5/11/10		Time		1740		Temp in OC	
																Samples on Ice?	
																Sample intact?	
																Trip Blank?	



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Notes and Definitions

K	The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.